What Is Claimed Is:

- 1. A system for MPW (multi-project wafer) shuttle
 2 service, comprising:
- a first MPW shuttle reserving for a first group of device designs;
- a second MPW shuttle reserving for a second group of device designs; and
- a checking unit to determine whether mask data for the first
 group has been provided by a cut off date for the first
 MPW shuttle, and to exchange a first target device
 design from the first group with a second target
 device design from the second group if the mask data
 of the first target device design has not been
 provided and that of the second target device design
 has been provided by the cut off date.
 - 2. The system of claim 1 further comprising a mask production unit to produce a common mask according to the mask data for the first group after the cut off date.

- 1 3. The system of claim 2 wherein the checking unit
- further releases the first MPW shuttle to a production line, and
- 3 wafer fabrication according to the common mask begins.
- 1 4. The system of claim 1 further comprising a reservation
- 2 unit for booking device designs on the first or second MPW
- 3 shuttle.
- 1 5. The system of claim 4 wherein the checking unit
- 2 further updates a first booking record of the first MPW shuttle
- 3 to include the second device design, and updates a second booking
- 4 record of the second MPW shuttle to include the first device
- 5 design via the reservation unit.
- 1 6. The system of claim 1 further comprising a mask data
- 2 preparation unit to receive device design mask data.
- 7. A method for MPW (multi-project wafer) shuttle
- 2 service, comprising the steps of:
- 3 determining whether device design mask data for a first
- 4 group reserved on a first MPW shuttle has been

- 5 provided by a cut off date for the first MPW shuttle;
 6 and
- exchanging a first target device design from the first
 group with a second target device design from a second
 group reserved on a second MPW shuttle if the mask
 data of the first target device design has not been
 provided and that of the second target device design
 has been provided by the cut off date.
 - 1 8. The method of claim 7 further comprising producing a
 2 common mask according to the mask data in the first group after
 3 the cut off date.
 - 9. The method of claim 8 further comprising starting the first MPW shuttle, and fabricating wafers according to the common mask.
 - 1 10. The method of claim 7 further comprising booking the 2 first MPW shuttle or the second MPW shuttle for the device 3 designs.

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- 1 11. The method of claim 7 further comprising updating a 2 first booking record of the first MPW shuttle to include the 3 second device design, and updating a second booking record of 4 the second MPW shuttle to include the first device design.
- 1 12. The method of claim 7 further comprising receiving the 2 mask data.
 - 13. A machine-readable storage medium storing a computer program which when executed causes a computer to perform a method of MPW (multi-project wafer) shuttle service, comprising the steps of:
- determining whether device design mask data for a first
 group reserved on a first MPW shuttle has been
 provided by a cut off date for the first MPW shuttle;
 and
- 9 exchanging a first target device design from the first
 10 group with a second target device design from a second
 11 group reserved on a second MPW shuttle if the mask
 12 data of the first target device design has not been

- provided and that of the second target device design
- has been provided by the cut off date.
- 1 14. The storage medium of claim 13 further comprising
- 2 producing a common mask according to the mask data in the first
- 3 group after the cut off date.
- 1 15. The storage medium of claim 14 further comprising
- 2 starting the first MPW shuttle, and fabricating wafers according
- 3 to the common mask.
- 1 16. The storage medium of claim 13 further comprising
- 2 booking the first MPW shuttle or the second MPW shuttle for the
- 3 device designs.
- 1 17. The storage medium of claim 13 further comprising
- 2 updating a first booking record of the first MPW shuttle to
- 3 include the second device design, and updating a second booking
- 4 record of the second MPW shuttle to include the first device
- 5 design.
- 1 18. The storage medium of claim 13 further comprising
- 2 receiving the mask data.

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- 1 19. A system for MPW (multi-project wafer) shuttle
 2 service, comprising:
- a first MPW shuttle reserving for a first group of device designs;
 - a second target device design having a pull-in demand; and a checking unit to determine whether mask data from the first group has been provided by a cut off date for the first MPW shuttle, and to exchange a first target device design from the first group with the second target device design if the mask data of the first target device design has not been provided and that of the second target device design has been provided by the cut off date.
- 1 20. The system of claim 19 further comprising a mask 2 production unit to produce a common mask according to the mask 3 data in the first group after the cut off date.
- 21. The system of claim 20 wherein the checking unit further releases the first MPW shuttle to a production line, and wafer fabrication according to the common mask begins.

- 1 22. The system of claim 19 further comprising a
 2 reservation unit for booking device designs on the first MPW
 3 shuttle.
- 23. The system of claim 22 wherein the checking unit
 further updates a first booking record of the first MPW shuttle
 to include the second device design, and updates a second booking
 record of a second MPW shuttle to include the first device design
 via the reservation unit.
- 1 24. A method for MPW (multi-project wafer) shuttle
 2 service, comprising the steps of:
- determining whether device design mask data from a first

 group reserved on a first MPW shuttle has been

 provided by a cut off date for the first MPW shuttle;

 and
- exchanging a first target device design from the first
 group with a second target device design having a
 pull-in demand if the mask data for the first target
 device design has not been provided and that of the

- second target device design has been provided by the cut off date.
 - 2 25. The method of claim 24 further comprising producing a common mask according to the mask data from the first group after the cut off date.
 - i 26. The method of claim 25 further comprising starting the first MPW shuttle, and fabricating wafers according to the common mask.
 - 1 27. The method of claim 24 further comprising booking the 2 first MPW shuttle for the device designs.
 - 1 28. The method of claim 24 further comprising updating a 2 first booking record of the first MPW shuttle to include the 3 second device design, and updating a second booking record of 4 a second MPW shuttle to include the first device design.
 - 29. A machine-readable storage medium storing a computer program which when executed causes a computer to perform a method of MPW (multi-project wafer) shuttle service, comprising the steps of:

5 determining whether device design mask data from a first group reserved on a first MPW shuttle has been provided by a cut off date for the first MPW shuttle; 7 8 and exchanging a first target device design from the first 9 group with a second target device design having a 10 11 pull-in demand if the mask data of the first target 12 device design has not been provided and that of the 13 second target device design has been provided by the 14 cut off date.

- 1 30. The storage medium of claim 29 further comprising 2 producing a common mask according to the mask data in the first 3 group after the cut off date.
- 1 31. The storage medium of claim 30 further comprising 2 starting the first MPW shuttle, and fabricating wafers according 3 to the common mask.
- 32. The storage medium of claim 29 further comprising booking the first MPW shuttle for the device designs.

33. The storage medium of claim 29 further comprising updating a first booking record of the first MPW shuttle to include the second device design, and updating a second booking record of a second MPW shuttle to include the first device design.